

## WHAT IS CLAIMED IS:

1. An electrical assembly, comprising:

at least one electrical conductor;

a flexible electrical tubing having an end, said tubing loosely carrying said at least one electrical conductor therein; and

5 an electrical component associated with said at least one electrical conductor, said electrical component hermetically sealing said tubing end.

2. The electrical assembly of claim 1, said tubing including an inner surface, said electrical component hermetically sealing with said inner surface.

3. The electrical assembly of claim 1, said electrical component comprising an electrical connector having at least one electrical terminal, each said terminal connected with a corresponding said electrical conductor.

4. The electrical assembly of claim 1, said electrical component comprising a plug, said at least one electrical conductor extending through and sealed with said plug.

5. The electrical assembly of claim 1, said tubing including a non-smooth inner surface, said electrical component having an outer periphery with at least one annular projection engaged with said inner surface.

6. The electrical assembly of claim 5, said electrical component having a plurality of annular projections.

7. The electrical assembly of claim 1, said tubing including a non-smooth inner surface, said electrical component having an outer periphery which is in continuous, intimate physical contact with said inner surface.

8. The electrical assembly of claim 7, said electrical component formed by the process of insert molding with said tubing.

9. The electrical assembly of claim 1, said tubing having a non-smooth outer surface with one of a convoluted and spiral shape.

10. An electrical assembly, comprising:

at least one electrical conductor;

a flexible electrical tubing having an end, said tubing loosely carrying said at least one electrical conductor therein; and

5 an electrical connector having at least one electrical terminal, each said terminal connected with a corresponding said electrical conductor, said electrical connector hermetically sealing said tubing end.

11. The electrical assembly of claim 10, said tubing including a non-smooth inner surface, said electrical connector having an outer periphery with at least one annular projection engaged with said inner surface.

12. The electrical assembly of claim 11, said electrical connector having a plurality of annular projections.

13. The electrical assembly of claim 10, said tubing including a non-smooth inner surface, said electrical connector having an outer periphery which is in continuous, intimate physical contact with said inner surface.

14. An electrical assembly, comprising:

at least one electrical conductor;

a flexible electrical tubing having an end, said tubing loosely carrying said at least one electrical conductor therein; and

5 a plug hermetically sealing said tubing end, said at least one electrical conductor extending through and sealed with said plug

15. The electrical assembly of claim 14, said tubing including a non-smooth inner surface, said plug having an outer periphery with at least one annular projection engaged with said inner surface.

16. The electrical assembly of claim 15, said plug having a plurality of annular projections.

17. The electrical assembly of claim 14, said tubing including a non-smooth inner surface, said plug having an outer periphery which is in continuous, intimate physical contact with said inner surface.